

INERTFIL 308LSi is a G 19 9 LSi/ER 308LSi type solid MAG welding wire, supplied precision layer wound, depositing a low C-19Cr9Ni weld metal. Suitable for use with Ar+2%O₂ or Ar+0.5...5%CO₂ mixed shielding gases.

INERTFIL 308LSi is used for welding of 304 and 304L grade stainless steel. The weld metal provides good corrosion resistance to intergranular attack from a range of liquid media. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc.

The low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers. The increased silicon content results in increased weld pool fluidity to give a smooth deposit appearance.

INERTFIL 308LSi also available in 200kgs drum.

Stainless steel wire type ER 308L used to weld AISI 304 and 308L stainless steels. The 0.85% Si content gives better weldability and appearance.

Classification	
EN ISO	14343-A: G 19 9 L Si
AWS	A5.9: ER 308LSi

Approvals	Grade
DB	●
TÜV	●

Chemical analysis (Typical values in %)

C	Mn	Si	P	S	Cr	Ni
0.020	1.8	0.85	≤ 0.025	≤ 0.020	20	10

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation A5 (%)	Impact Energy ISO - V (J)	
				20 °C	-120 °C
As Welded	≥ 350	≥ 520	≥ 35	≥ 80	≥ 32

Gas test: 98% Ar+2% O₂

Shielding Gas - EN ISO 14175 : M12, M13

Materials

1.4541 (X6CrNiTi18-10); 1.4301 (X4CrNi18-10); 1.4311 (X2CrNiN18-10)

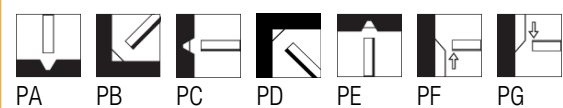
AISI 304 - 304L - 302

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



MIG/MAG solid wires-TIG rods
Stainless and Heat resistant steels

Packaging data

Packaging Type	BS300	DRUM	S200	S300
Diam(mm) / weight(kg)	15	200	5	15
0.6	W000282999		W000282997	W000282998
0.8	W000283002	W000283003	W000283000	W000283001
1.0	W000283007	W000283008	W000283005	W000283006
1.2	W000283013	W000283014	W000283011	W000283012
1.6	W000283018	W000283019	W000283016	W000283017